



FIG. 3

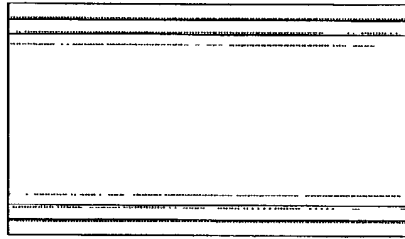
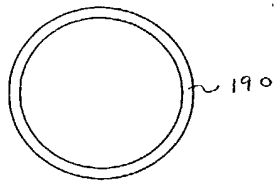


FIG. 4

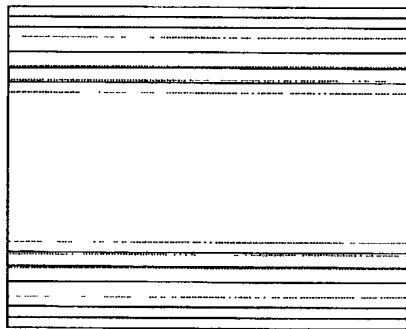
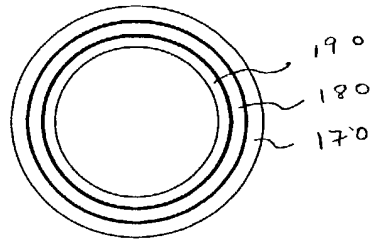


FIG. 5

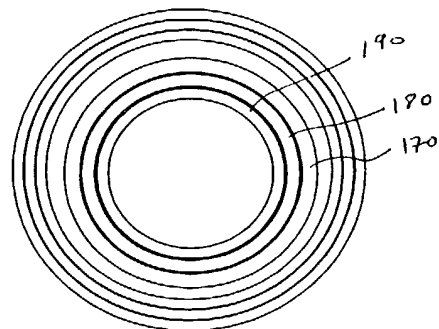


FIG. 6

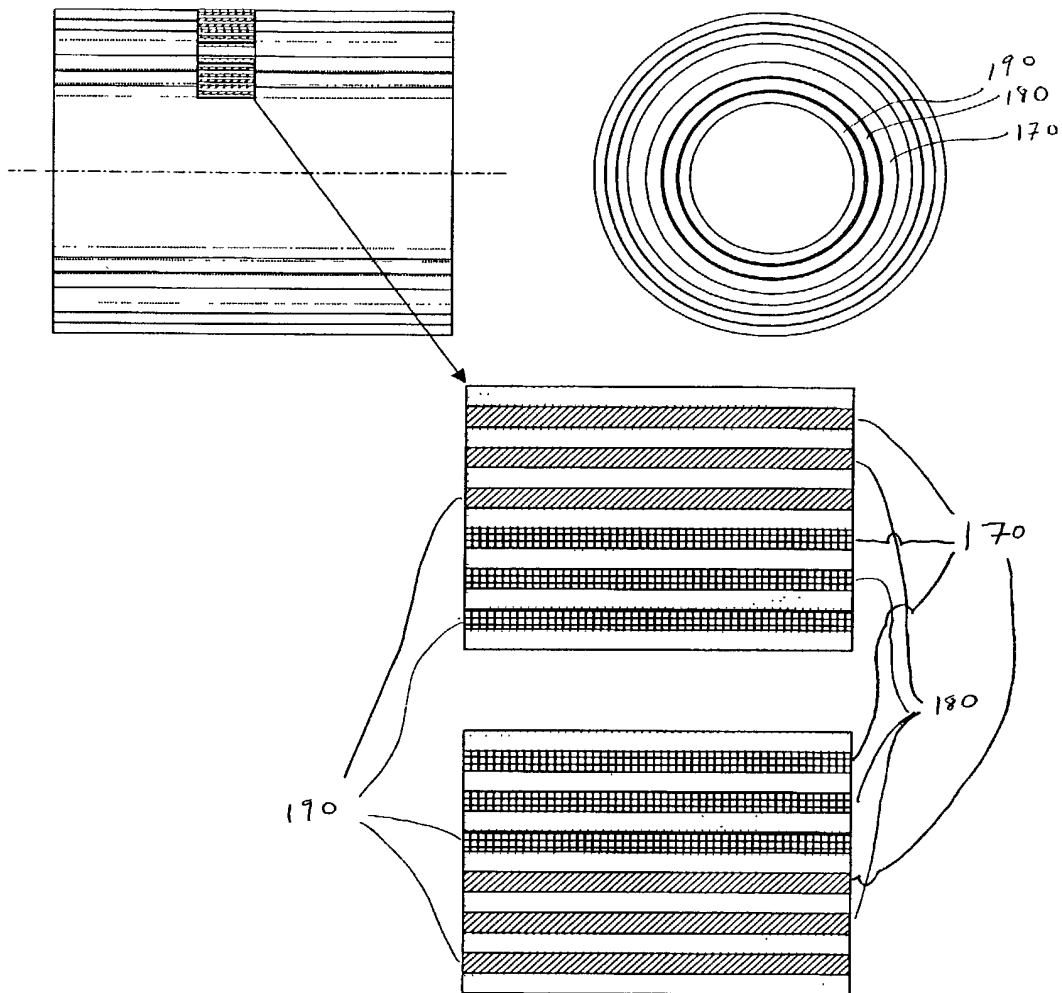
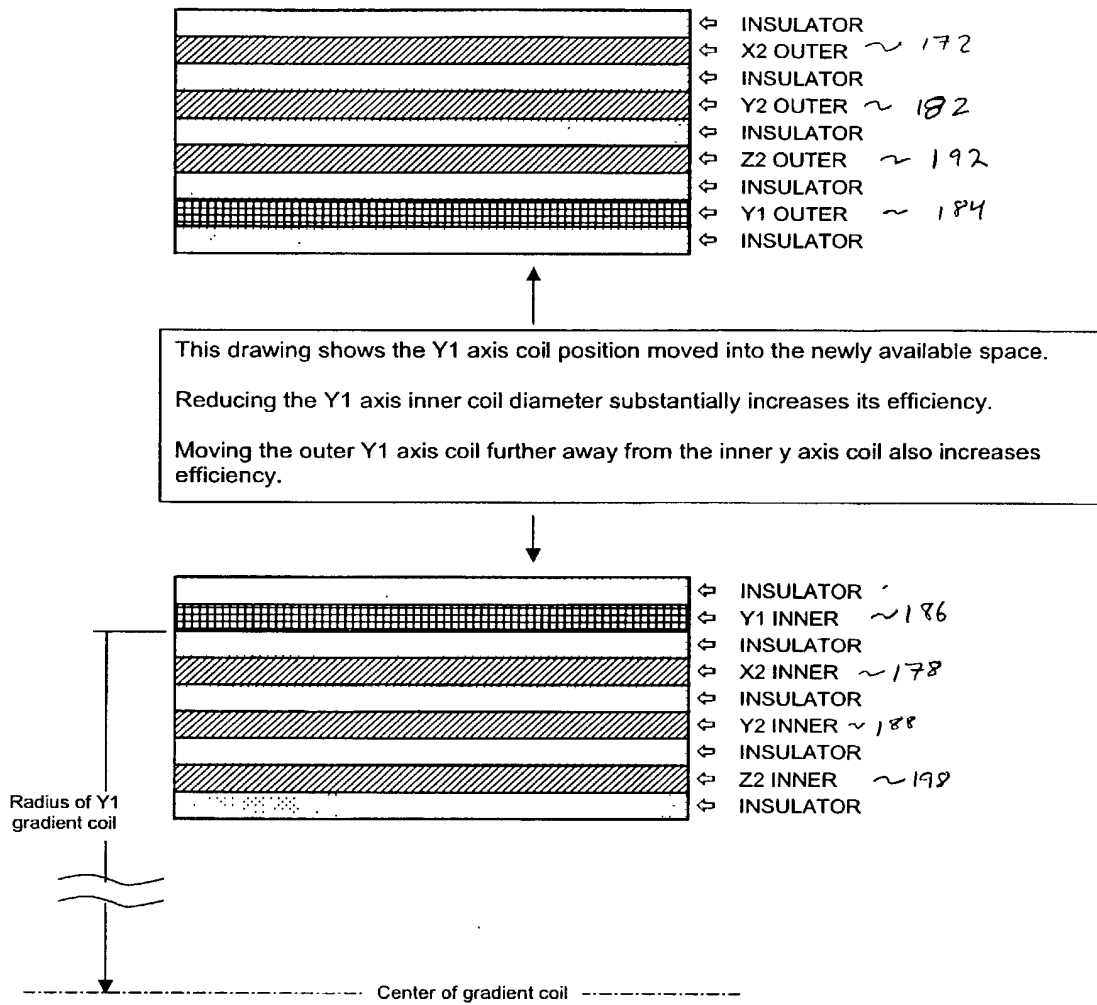
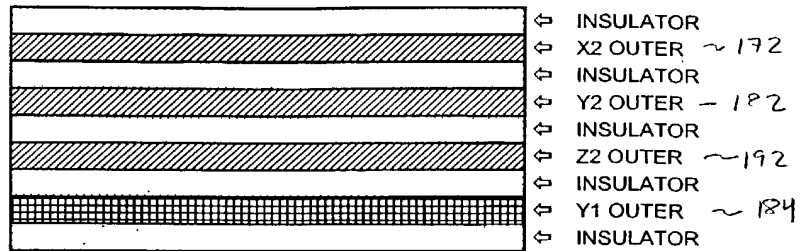






FIG. 9





If the Y1 axis functionality is obtained by tapping the Y2 axis coil, then a separate inner Y1 axis coil is not needed.

A separate Y1 axis outer coil may still be needed due to the uniquely different fringe field pattern when the Y2 inner axis coil is in tapped mode.

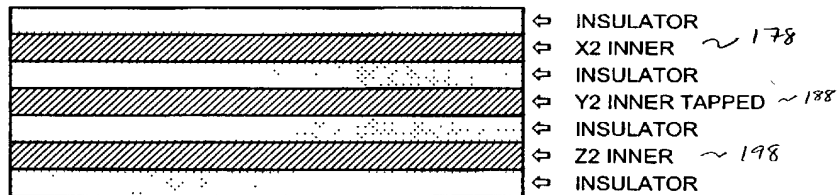


FIG. 10